

Message Text

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ORIGIN COME-00

INFO OCT-01 CIAE-00 DODE-00 EB-08 NSAE-00 USIA-06
TRSE-00 EUR-12 DOE-11 ISO-00 SOE-02 ACDA-12 /052 R

DRAFTED BY COM/OEA MSKRAVETZ:BAW
APPROVED BY EB/EWT RWPRACHT
EPWALINSKY, DIR/PPD/OEA/BTR
-----130906 160131Z /64

P 160002Z MAR 78
FM SECSTATE WASHDC
TO AMEMBASSY PARIS PRIORITY
INFO AMEMBASSY MOSCOW PRIORITY

C O N F I D E N T I A L STATE 067140

EXCON USOECD

E.O. 11652:XGDS-1

TAGS: ESTC, COCOM, UR

SUBJECT: EXPORT OF COMPUTER SYSTEMS AND OSCILLOSCOPE TO THE
USSR - IL 1565 AND 1584

REF: BTR CASE NOS. A. 280427(IN PART); B. 283244(IN PART);
C. 283333 (CONTROL DATA CORP.)

1) THE UNITED STATES DELEGATION IS REQUESTED TO SUBMIT THE
ATTACHED URGENCY CASE TO THE COMMITTEE PURSUANT TO COCOM
DOC. REG.(77)1, PARAGRAPH 4(B).

2) THE UNITED STATES AUTHORITIES HAVE BEEN ASKED TO
APPROVE THE EXPORT TO THE USSR OF THE FOLLOWING EQUIPMENT:

IL 1565 - 1,410,560 DOLLARS:

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CASE A: 2 TYPE CYBER 18-20 COMPUTER SYSTEMS
1 TYPE VERSATEC PLOTTING SYSTEM
1 LOT SPARE PARTS AND RECORDING MEDIA FOR ABOVE
25 TYPE 877 DISC PACKS
40 TYPE 881 DISC PACKS
12,000,000 FT MAGNETIC TAPE
(SEE ATTACHMENT 1 FOR DETAILED LIST OF EQUIPMENT)

CASE B: 1 MODEL 847-51 C.E. DISC PACK

IL 1584 - 5,200 DOLLARS:

CASE C: 1 TYPE 475 OSCILLOSCOPE (200 MHZ)
1 TYPE AV-3620 C.E. VIDEORECORDER

3) THIS EQUIPMENT IS CONSIGNED TO HYDROMETEOROLOGICAL RESEARCH CENTER OF THE USSR, BOLSHEVISTSKAYA STREET 9/13, MOSCOW, WHERE IT WILL BE USED IN CONJUNCTION WITH A CYBER 172 PREVIOUSLY APPROVED (COCOM DOC(77)981) AND A CYBER 17 DATA KEY ENTRY SYSTEM SUBMITTED TO THE COMMITTEE FOR APPROVAL UNDER ADMINISTRATIVE NOTE 9(E) TO IL 1565 FOR USE IN WEATHER RESEARCH AND FORECASTING.

4) THE CYBER 18 DUAL PROCESSOR MESSAGE SWITCHING SYSTEM IS PROPOSED TO AUGMENT HYDROMET'S ABILITY TO HANDLE THE REQUIREMENTS OF THE WORLD METEOROLOGICAL ORGANIZATION'S GLOBAL TELECOMMUNICATIONS SYSTEM. ONE OF THE TWO CYBER 18'S WILL BE DEDICATED TO THE SWITCHING OF WEATHER INFORMATION BETWEEN VARIOUS INTERNATIONAL AND NATIONAL LOCATIONS. THE SECOND CYBER 18 SYSTEM WILL SERVE AS BACK-UP TO THE FIRST SYSTEM IN THE EVENT OF FAILURE OR DURING PREVENTIVE MAINTENANCE. THERE IS NO AUTOMATIC SWITCH TO THE BACK-UP SYSTEM IN THE EVENT OF FAILURE OF THE PRIMARY
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SYSTEM.

THE CPU IS THE CYBER 18-20 GENERAL PURPOSE MICROPROGRAMMABLE PROCESSOR. USER MICROPROGRAMMABLE FEATURES ARE NOT INCLUDED. THIS PROCESSOR IS USED IN BOTH THE PRIMARY AND BACK-UP SYSTEMS. THE PDR OF THE 18-20 IS 8.5 MBITS/SECOND; THE INTERNAL MEMORY IS 1.1 MBITS (SEMICONDUCTOR), AND THE BUS RATE IS 24.2 MBITS/SECOND.

THE MODEL 1867-21 DISC DRIVE IS USED WITH BOTH SYSTEMS (TWO WITH THE PRIMARY SYSTEM AND ONE WITH THE BACK-UP SYSTEM). PERFORMANCE PARAMETERS ARE AS FOLLOWS: CAPACITY PER SPINDLE: 400 MBITS; AVERAGE ACCESS TIME: 33.33 MILLISECONDS; EFFECTIVE BIT TRANSFER RATE: 2.81 MBITS/SECOND; AND MEMORY PERFORMANCE FACTOR: 65,726.

THE MODEL 1860-3 MAGNETIC TAPE UNIT IS USED WITH BOTH SYSTEMS. TWO SUCH DRIVES ARE USED WITH THE PRIMARY SYSTEM AND ONE WITH THE BACK-UP SYSTEM. THIS MODEL DRIVE HAS A SPEED OF 25 INCHES/SECOND, AND A READ/WRITE CAPABILITY OF 800 BPI. THE EFFECTIVE BIT TRANSFER RATE IS 0.160 MBITS/SECOND.

THE COMMUNICATIONS INTERFACE EQUIPMENT IS USED WITH THE PRIMARY SYSTEM, AND IS MANUALLY SWITCHABLE TO THE

BACK-UP SYSTEM. THE EQUIPMENT IS COMPRISED OF THREE BUFFERED ASYNCHRONOUS COMMUNICATION LINE ADAPTERS AND ONE SYNCHRONOUS BUFFERED COMMUNICATIONS LINE ADAPTER. EACH ASYNCHRONOUS LINE ADAPTER PROVIDES 16 COMMUNICATIONS INTERFACES AND OPERATES IN BOTH HALF AND FULL DUPLEX MODES AT SPEEDS THAT ARE SELECTABLE UP TO 9,600 BITS/SECOND. THE SYNCHRONOUS BUFFERED COMMUNICATIONS ADAPTER PROVIDES FOUR COMMUNICATIONS INTERFACES AND OPERATES AT SPEEDS UP TO 24,000 BITS PERSECOND IN BOTH HALF AND FULL DUPLEX MODES. THIS LINE ADAPTER IS MICROPROCESSOR CONTROLLED AND PERMITS SIMULTANEOUS SUPPORT OF DIFFERENT PROTOCOLS
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ON EACH INTERFACE. FRONT ENDING THE ASYNCHRONOUS LINE ADAPTERS IS THE TELEGRAPHIC LEVEL CONVERTER THAT IS REQUIRED TO USE THE TELETYPE MACHINES THAT ARE PROPOSED IN THIS INSTANCE. THE TELEGRAPHIC LINE ADAPTER INTERFACES UP TO 48-FOUR WIRE DUPLEX LINES.

TWO TYPE 752-20 MICROPROCESSOR CONTROLLED ALPHANUMERIC DISPLAYS CAPABLE OF ASYNCHRONOUS TRANSMISSION UP TO 9,600 BITS/SECOND WILL BE ATTACHED TO THE BUFFERED COMMUNICATIONS ADAPTER AND WILL BE LOCATED WITHIN THE "COMPUTER OPERATING AREA." ALL OTHER LINES WILL TERMINATE AT VARIOUS INTERNATIONAL LOCATIONS, AIRPORTS, AND WEATHER BUREAUS.

THE C.E. DISC PACKS ARE USED FOR TESTING AND MAINTENANCE OF DISC DRIVES, PARTICULARLY FOR TESTING HEAD POSITION. THE 847-51 IS APPLICABLE TO DISC DRIVES SUCH AS THE 1867-21 THAT IS INCLUDED IN THE SYSTEM CONFIGURATION.

THE 475 SCOPE IS FOR INSTALLATION AND MAINTENANCE OF THE COMPUTER SYSTEMS. BROCHURES WERE DEPOSITED IN CONNECTION WITH COCOM DOC (74)1991. THE AV-3620 VIDEORECORDER WILL BE USED FOR OPERATIONS MONITORING. BROCHURES DESCRIBING THE AV-3620 HAVE BEEN DEPOSITED WITH THE SECRETARIAT.

THE CYBER 18 HAS TELECOMMUNICATIONS LIMITS THAT WOULD NORMALLY EXCEED NOTE 4 LIMITS. THEY ARE SET FORTH ON ATTACHMENT 2

THE USG IN REVIEWING THIS TRANSACTION HAS REQUIRED THE APPLICANT TO MODIFY THE HARDWARE WITHIN NOTE 4 LIMITS AND TO MEET REQUIREMENTS OF TRANSFER OF TECHNICAL DATA. THE MODIFICATIONS TO HARDWARE AND OTHER CONDITIONS IN ACCORD-
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ANCE WITH NOTE 4 ARE PROVIDED AS ATTACHMENT 3.

5) A COMPARISON OF PROPOSED SYSTEM PARAMETERS WITH NOTE 12(G) TO IL 1565 AND A BLOCK DIAGRAM OF THE PROPOSED

SYSTEMS ARE PROVIDED AS ATTACHMENTS 4 AND 5 RESPECTIVELY. UNITED STATES AUTHORITIES CONSIDER THE DESCRIBED SYSTEMS AS ONES USED PRIMARILY IN THE CIVIL SECTOR AND ARE SATISFIED THAT THEY WILL BE USED IN THE CITED END-USE APPLICATIONS. THE UNITED STATES AUTHORITIES INTEND TO IMPOSE MONTHLY INSPECTIONS AND REPORTING FOR TWO YEARS FOLLOWED BY QUARTERLY INSPECTIONS AND REPORTING FOR FOUR YEARS.

6) THE UNITED STATES AUTHORITIES CONSIDER THIS EXPORT REASONABLE AND APPROPRIATE FOR THE STATED END-USE. THEY WISH TO APPROVE IT UNDER THE URGENCY PROCEDURE SET FORTH IN COCOM DOC. REG.(77)1, PARAGRAPH 4(B), AS APPLICANT STANDS TO LOSE ORDER IF NOT SHIPPED BY 3/31/78, AND WOULD APPRECIATE THE VIEWS OF MEMBER GOVERNMENTS.

FYI -- THIS CASE, A NOTE 9(E) CASE BTR 280427(IN PART) DRAFTED FROM COMMERCE ON 3/13/78, AND COCOM DOC(77)981 ARE ALL PART OF ONE LARGE CDC TRANSACTION. COMMERCE BELIEVES THAT THE CYBER 18-20 MESSAGE SWITCHING SYSTEMS REFERENCED IN ATTACHED TRANSACTION WILL ANSWER THE POST FACTO QUESTION PUT TO US BY THE GERMAN DEL (COCOM DOC(77)981.4).
END FYI

BROCHURES AND ATTACHMENTS WERE AIRMAILED FROM COMMERCE ON 3/14/78. VANCE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: EXPORTS, COMPUTERS, OSCILLOSCOPES
Control Number: n/a
Copy: SINGLE
Draft Date: 16 mar 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978STATE067140
Document Source: CORE
Document Unique ID: 00
Drafter: BAW
Enclosure: n/a
Executive Order: X1
Errors: N/A
Expiration:
Film Number: D780116-0245
Format: TEL
From: STATE
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Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
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Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
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Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3307503
Secure: OPEN
Status: NATIVE
Subject: EXPORT OF COMPUTER SYSTEMS AND OSCILLOSCOPE TO THE USSR - IL 1565 AND 1584
TAGS: ESTC, UR, COCOM
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Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/06eea1c5-c288-dd11-92da-001cc4696bcc
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